# Transport in Micro/Nano Fluidic Devices

## PROJECT DESCRIPTION

The project involves developing micro/nano fluidic devices with applications in petroleum operations. They will be used as microreactors, sensors or flow analysis tools to provide crucial information to mitigate the environmental effects of fossil fuel extraction and upgrading processes. The projects involve design and fabrication of microchips, conducting experiments, data acquisition and analysis.

## FACULTY-DEPARTMENT

Engineering- Chemical and Materials Engineering

## DESIRED FIELD OF (STUDENT) STUDY

Mechanical engineering, Chemical engineering, Petroleum Engineering, Chemistry

## INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

## NUMBER OF INTERNSHIP POSITIONS

2

## INTERNSHIP START DATE

January 9, 2018

## INTERNSHIP END DATE

April 9, 2018

## ARE THE DATES FLEXIBLE?

Yes

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